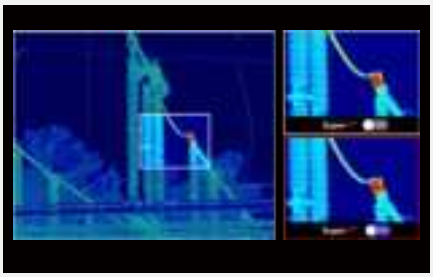
SP SERIES

Ultra-high performance and maximum flexibility

SuperIR

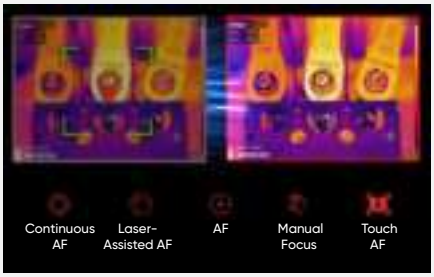
Powered by HIKMICRO SuperIR image enhancement technology, it upscales thermal images resolution when recording video with 30 Hz fast image frequency and capturing photos.

- SP40/H: from 480 × 360 up to 960 × 720
- SP60/H: from 640 × 480 up to 1280 × 960
- SP120H: from 1280 × 1024 up to 2560 × 2048



One-second fast focusing

Support for **5 focus modes** (Laser-Assisted AF, Continuous AF, AF, Manual Focus, Touch AF) with a fast focus speed of **1 second** to match your workflow, optimize image clarity, and ensure measurement accuracy.



Flexible Rotating Lens and Screen

The 90° rotating screen and the 180° rotating lens design help to easily view the area around, between, above, or below the target. Keeping a safe distance allows for equally flexible inspections.

Up to 2200°C Temperature Range

1-Tap Level & Span

Extensive Range of Interchangeable Lenses

Embedded Laser Distance Meter

Radiometric Video Analysis

Interchangeable Battery System

APPLICATIONS

High temperature

Industrial

Power Industry

WHAT'S IN THE BOX

- Thermal Imager
- Hand Strap
- Neck Strap
- Rubber Viewfinder Cap (SP60/60H/120H Only)
- Camera Lens Caps
- Dismountable and Rechargeable Li-ion Batteries（x2）
- Power Supply for Battery Charger
- Two-bay Battery Charger
- International Use Plugs (US/EU/UK/AU) for Power Supply
- USB 2.0 A to USB Type-C Cable
- Mini HDMI to HDMI Cable
- USB Type-C Cable to USB Type-C Cable
- Hard Carrying Case
- Calibration Certificate
- Quick Start Guide
- 128GB Micro SD card
- Dust-free Cloth

OPTIONAL ACCESSORIES

HM-SP630-LENS

HM-SP620-LENS

HM-SP650-MACRO

HM-SP610-LENS

HM-SP605-LENS

HM-SP620-MACRO

Tripod Adapter

SP Series Pouch

Model No		SP40	SP40H	SP60	SP60H	SP120H
Infrared Image	IR Resolution	480 x 360	480 x 360	640 x 480	640 x 480	1280 x 1024
	SuperIR	960 x 720	960 x 720	1280 x 960	1280 x 960	2560 x 2048
	NETD	< 30 mK (@ 25 °C, F#=1.0)				< 20mK (@ 25 °C, F#=1.0)
	Image Frequency	30 Hz				
	Field of View (FOV)	L6: 6° × 4.5°; L9: 9° × 6.8°; L19: 18.7° × 14°; L37: 37.3° × 27.8°		L8: 8° × 6°; L12: 12° × 9°; L25: 24.8° × 18.7°; L50: 50° × 37.3°		L8: 7.9° × 6.3°, L12: 12° × 9.6°, L25: 25° × 20°, L50: 50° × 40°
	Spatial Resolution (IFOV)	L6: 0.22 mrad; L9: 0.33 mrad; L19: 0.68 mrad; L37: 1.35 mrad		L8: 0.22 mrad; L12: 0.33 mrad; L25: 0.68 mrad; L50: 1.35 mrad		L8: 0.11 mrad, L12: 0.17 mrad, L25: 0.34 mrad, L50: 0.68 mrad
	Focus Speed	Approx. 1 second				
Image Display	Visual Camera	3264 × 2448 (8 MP)				4208 × 3120 (13 MP)
Display		1280 × 720 Resolution, 5" LCD Touch Screen				1920 × 1080 Resolution, 5.1" OLED Touch Screen
Measurement and Analysis	Object Temperature Range	-20 °C to 650 °C (-4 °F to 1202 °F)	-40°C to 2200°C (-4°F to 3992°F)	-20 °C to 650 °C (-4 °F to 1202 °F)	-40°C to 2200°C (-4°F to 3992°F)	-40°C to 2200°C (-40°F to 3992°F)
	Accuracy	±2°C/3.6°F	±1°C /±1.8°F	±2°C/3.6°F	±1°C /±1.8°F	± 2°C/3.6°F
General	Image and Video Formats	Radiometric JPEG, MP4 Video, Radiometric Video				
	Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz)				
	HDMI Interface	Yes				
	GPS & Compass	Yes				
	Battery Operating Time	Approx. 4 hours				

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